

What is claimed is:

1. A mobile communication system comprising a radio base station controller for performing at least a radio line control and a resource control for said radio base station, and at least  
5 a radio line control, a resource control and a bearer control for a mobile terminal,

wherein said radio base station controller comprises control means for controlling a communication quality between said radio base station and said mobile terminal on the basis  
10 of the information regarding the amount of interference from said radio base station.

2. The mobile communication system according to claim 1, wherein said radio base station comprises means for measuring a radio quality between said mobile terminal and it, and means  
15 for notifying the information regarding said amount of interference based on a comparison result between its measurement result and a preset threshold.

3. The mobile communication system according to claim 1, wherein said control means makes the communication by maximizing  
20 said communication quality when said amount of interference is small, and requests either said radio base station or said mobile terminal to degrade said communication quality when said amount of interference is large.

4. The mobile communication system according to claim 1,  
wherein said control means makes the high quality communication  
by maximizing a bearer required quality of said mobile terminal  
when said amount of interference is relatively small, and requests  
5 to degrade said bearer required quality to a needed minimum level  
in the order from the mobile terminal of lower service class  
during communication when said amount of interference is larger  
due to an increased number of users.

5. The mobile communication system according to claim 1,  
10 wherein power control with said communication quality is made  
in at least one of an upline and a downline between said radio  
base station and said mobile terminal.

6. A radio base station controller for performing at least  
a radio line control and a resource control for said radio base  
15 station, and at least a radio line control, a resource control  
and a bearer control for a mobile terminal,

wherein said radio base station controller comprises  
control means for controlling a communication quality between  
said radio base station and said mobile terminal on the basis  
20 of the information regarding the amount of interference from  
said radio base station.

7. The radio base station controller according to claim 6,  
wherein said control means makes the communication by maximizing  
said communication quality when said amount of interference is  
25 small, and requests either said radio base station or said mobile

terminal to degrade said communication quality when said amount of interference is large.

8. The radio base station controller according to claim 6, wherein said control means makes the high quality communication  
5 by maximizing a bearer required quality of said mobile terminal when said amount of interference is relatively small, and requests to degrade said bearer required quality to a needed minimum level in the order from the mobile terminal of lower service class during communication when said amount of interference is larger  
10 due to an increased number of users.

9. The radio base station controller according to claim 6, wherein power control with said communication quality is made in at least one of an upline and a downline between said radio base station and said mobile terminal.

15 10. A transmitting and receiving power control method for use in a mobile communication system comprising a radio base station controller for performing at least a radio line control and a resource control for said radio base station, and at least a radio line control, a resource control and a bearer control for  
20 a mobile terminal, said method comprising, on the side of said radio base station controller,

a step of controlling a communication quality between said radio base station and said mobile terminal on the basis of the information regarding the amount of interference from said radio  
25 base station.

11. The transmitting and receiving power control method according to claim 10, wherein said radio base station comprises a step of measuring a radio quality between said mobile terminal and it, and a step of notifying the information regarding said amount of interference based on a comparison result between its measurement result and a preset threshold.

12. The transmitting and receiving power control method according to claim 10, wherein said step of controlling the communication quality comprises making the communication by maximizing said communication quality when said amount of interference is small, and requesting either said radio base station or said mobile terminal to degrade said communication quality when said amount of interference is large.

13. The transmitting and receiving power control method according to claim 10, wherein said step of controlling the communication quality comprises making the high quality communication by maximizing a bearer required quality of said mobile terminal when said amount of interference is relatively small, and requesting to degrade said bearer required quality to a needed minimum level in the order from the mobile terminal of lower service class during communication when said amount of interference is larger due to an increased number of users.

14. The transmitting and receiving power control method according to claim 10, wherein power control with said

communication quality is made in at least one of an upline and a downline between said radio base station and said mobile terminal.